

Product type designation

RF380R reader (ISO Scanmode)

SIMATIC RF300 Reader RF380R (ISO scan mode) RS422/232 interface IP67, -25 to +70 °C, 160x 80x 41 mm Special variant



Suitability for operation

RF300 and ISO 15693 Transponder (MDS Dxxx), for serial connection to control systems (Scan Mode)

Wireless frequencies

Operating frequency / Rated value	13.56 MHz
Range / maximum	200 mm; Range adjustable in reader via transmission power, range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
Protocol / with radio transmission	RF300-specific, ISO 15693, ISO 18000-3
Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	No

Electrical data

Transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
Transmission time / for user data • for read access / per byte / typical	0.13 ms

Interfaces

Standard for interfaces / for communication	RS422/RS232
Type of electrical connection	M12, 8-pin

Mechanical data	
Material	PA 12
Color	anthracite
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm
Supply voltage, current consumption, power loss	
Supply voltage	
• at DC / Rated value	24 V
• at DC	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.16 A
Permitted ambient conditions	
Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Protection class IP	IP67
Shock resistance	EN 60721-3-7 Class 7 M2
Shock acceleration	500 m/s ²
Vibrational acceleration	200 m/s ²
Design, dimensions and weight	
Width	80 mm
Height	41 mm
Depth	160 mm
Net weight	0.6 kg
Mounting type	4 x M5 screws
Wire length	
• with RS 232 interface / maximum	30 m
• for RS 422 interface / maximum	1000 m
Product properties, functions, components / general	
Display version	3-color LED
Product feature / silicon-free	Yes
Standards, specifications, approvals	
Certificate of suitability	Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus, Ex: II 3G Ex nC IIB T5
MTBF	109 y
Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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